

SCORE Search Results Details for Application 10687035 and Search Result 20080310_104759_us-10-687-035-34.rapbm.

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This page gives you Search Results detail for the Application 10687035 and Search Result 20080310_104759_us-10-687-035-34.rapbm.

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OM protein - protein search, using sw model

Run on: March 10, 2008, 14:25:14 ; Search time 245 Seconds
(without alignments)
508.771 Million cell updates/sec

Title: US-10-687-035-34
Perfect score: 758
Sequence: 1 MGWSWIFLFLLSGTAGVHSE.....FGSGYFYDWGQGTILTVSS 139

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 3890859 seqs, 897042889 residues

Total number of hits satisfying chosen parameters: 3890859

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA_Main:*

- 1: /ABSS/Data/CRF/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
- 2: /ABSS/Data/CRF/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
- 3: /ABSS/Data/CRF/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
- 4: /ABSS/Data/CRF/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
- 5: /ABSS/Data/CRF/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
- 6: /ABSS/Data/CRF/ptodata/2/pubpaa/US11A_PUBCOMB.pep:*
- 7: /ABSS/Data/CRF/ptodata/2/pubpaa/US11B_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result %
Query

No.	Score	Match	Length	DB	ID	Description
1	758	100.0	139	5	US-10-687-035-34	Sequence 34, Appl
2	625	82.5	135	4	US-10-389-155-60	Sequence 60, Appl
3	625	82.5	135	4	US-10-389-417-60	Sequence 60, Appl
4	625	82.5	135	4	US-10-452-357-69	Sequence 69, Appl
5	616	81.3	137	4	US-10-462-062-153	Sequence 153, App
6	616	81.3	137	4	US-10-462-062-154	Sequence 154, App
7	613.5	80.9	132	3	US-09-982-107-14	Sequence 14, Appl
8	613.5	80.9	132	5	US-10-781-989-14	Sequence 14, Appl
9	600.5	79.2	438	3	US-09-903-327A-6	Sequence 6, Appli
10	600.5	79.2	456	3	US-09-903-327A-2	Sequence 2, Appli
11	600.5	79.2	493	3	US-09-903-327A-13	Sequence 13, Appl
12	600.5	79.2	510	3	US-09-903-327A-12	Sequence 12, Appl
13	600.5	79.2	597	3	US-09-903-327A-11	Sequence 11, Appl
14	600.5	79.2	613	3	US-09-903-327A-14	Sequence 14, Appl
15	586.5	77.4	135	6	US-11-437-367A-21	Sequence 21, Appl
16	585.5	77.2	136	4	US-10-768-193-7	Sequence 7, Appli
17	578.5	76.3	138	4	US-10-774-076-9	Sequence 9, Appli
18	577	76.1	139	4	US-10-365-123-28	Sequence 28, Appl
19	577	76.1	139	5	US-10-504-389A-28	Sequence 28, Appl
20	573.5	75.7	151	5	US-10-586-406-4	Sequence 4, Appli
21	573.5	75.7	466	6	US-11-410-540-155	Sequence 155, App
22	573.5	75.7	466	6	US-11-411-003-155	Sequence 155, App
23	572.5	75.5	153	6	US-11-458-373-3	Sequence 3, Appli
24	568.5	75.0	466	6	US-11-410-540-139	Sequence 139, App
25	568.5	75.0	466	6	US-11-410-540-187	Sequence 187, App
26	568.5	75.0	466	6	US-11-411-003-139	Sequence 139, App
27	568.5	75.0	466	6	US-11-411-003-187	Sequence 187, App
28	568	74.9	137	4	US-10-462-062-158	Sequence 158, App
29	567.5	74.9	466	6	US-11-410-540-203	Sequence 203, App
30	567.5	74.9	466	6	US-11-411-003-203	Sequence 203, App
31	567	74.8	135	5	US-10-837-904-27	Sequence 27, Appl
32	566.5	74.7	466	6	US-11-410-540-163	Sequence 163, App
33	566.5	74.7	466	6	US-11-411-003-163	Sequence 163, App
34	565.5	74.6	138	4	US-10-389-155-72	Sequence 72, Appl
35	565.5	74.6	138	4	US-10-389-417-72	Sequence 72, Appl
36	565.5	74.6	138	4	US-10-452-357-85	Sequence 85, Appl
37	565.5	74.6	466	6	US-11-410-540-171	Sequence 171, App
38	565.5	74.6	466	6	US-11-411-003-171	Sequence 171, App
39	564	74.4	143	3	US-09-301-593-26	Sequence 26, Appl
40	564	74.4	143	4	US-10-159-006-26	Sequence 26, Appl
41	564	74.4	472	3	US-09-301-593-30	Sequence 30, Appl
42	564	74.4	472	4	US-10-159-006-30	Sequence 30, Appl
43	562	74.1	137	6	US-11-074-373-39	Sequence 39, Appl
44	561.5	74.1	468	6	US-11-410-540-21	Sequence 21, Appl
45	561.5	74.1	468	6	US-11-411-003-21	Sequence 21, Appl

ALIGNMENTS

RESULT 1

US-10-687-035-34

; Sequence 34, Application US/10687035

; Publication No. US20050064518A1

```

; GENERAL INFORMATION:
; APPLICANT: Albone, Earl F.
; APPLICANT: Soltis, Daniel A.
; TITLE OF INVENTION: ANTIBODIES THAT BIND CELL-ASSOCIATED
; TITLE OF INVENTION: CA 125/0772P AND METHODS OF USE THEREOF
; FILE REFERENCE: 6750-214-999
; CURRENT APPLICATION NUMBER: US/10/687,035
; CURRENT FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: 60/485,986
; PRIOR FILING DATE: 2003-07-10
; PRIOR APPLICATION NUMBER: 60/418,828
; PRIOR FILING DATE: 2003-10-12
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 776.1 heavy chain polypeptide variable region (776.1H)
US-10-687-035-34

```

```

Query Match          100.0%; Score 758; DB 5; Length 139;
Best Local Similarity 100.0%; Pred. No. 9.2e-59;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVVKQSH 60
         |||||
Db      1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVVKQSH 60

Qy      61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
         |||||
Db      61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120

Qy      121 GSGYYFDYWGQGTTLTVSS 139
         |||||
Db      121 GSGYYFDYWGQGTTLTVSS 139

```

RESULT 2

US-10-389-155-60

```

; Sequence 60, Application US/10389155
; Publication No. US20030229208A1
; GENERAL INFORMATION:
; APPLICANT: Queen, Cary L.
;           Co, Man Sung
;           Schneider, William P.
;           Landolfi, Nicholas F.
;           Coelingh, Kathleen L.
;           Selick, Harold E.
; TITLE OF INVENTION: Improved Humanized Immunoglobulins
; NUMBER OF SEQUENCES: 100
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco

```

```

STATE: California
;
; COUNTRY: USA
;
; ZIP: 94111-3834
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Floppy disk
;
; COMPUTER: IBM PC compatible
;
; OPERATING SYSTEM: PC-DOS/MS-DOS
;
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/10/389,155
;
; FILING DATE: 13-Mar-2003
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: US/09/325,000
;
; FILING DATE: 01-JUN-1999
;
; APPLICATION NUMBER: US 07/290,975
;
; FILING DATE: 28-DEC-1988
;
; APPLICATION NUMBER: US 07/310,252
;
; FILING DATE: 13-FEB-1989
;
; APPLICATION NUMBER: US 07/590,274
;
; FILING DATE: 28-SEP-1990
;
; APPLICATION NUMBER: US 07/634,278
;
; FILING DATE: 19-DEC-1990
;
; APPLICATION NUMBER: US 08/484,537
;
; FILING DATE: 07-JUN-1995
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Smith, William M.
;
; REGISTRATION NUMBER: 30,223
;
; REFERENCE/DOCKET NUMBER: 011823-002650US
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (415) 576-0200
;
; TELEFAX: (415) 576-0300
;
; INFORMATION FOR SEQ ID NO: 60:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 135 amino acids
;
; TYPE: amino acid
;
; TOPOLOGY: linear
;
; MOLECULE TYPE: protein
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 60:
US-10-389-155-60

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Query Match 82.5%; Score 625; DB 4; Length 135;
Best Local Similarity 84.9%; Pred. No. 4.8e-47;
Matches 118; Conservative 7; Mismatches 10; Indels 4; Gaps 1;

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Qy      1 MGWSWIFLFLLSGTAGVHSEVLQQSGPELVKPGASVKISCKASGYTFDYNHHWKQSH 60
Db      1 MGWSWIFLFLLSGTAGVHSEVLQQSGPELVKPGASVKISCKASGYTFDYNMHVWKQSH 60

Qy     61 GKILEWIGIYIPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSED SAVYYCARWDF 120
       ||||||| : || | ||||| : ||| : ||| : ||| : ||| : |||
Db     61 GKSLEWIGIYIPYNGGTGYNQKF KSKATLTVDNSSTAYMDVRSLTSED SAVYYCAR--- 117

Qy    121 GSGYFDYWGQGTTTLTVSS 139
       ||||| : |||
Db   118 -GRPAMDYWGGTSVTVSS 135
```

RESULT 3

US-10-389-417-60

; Sequence 60, Application US/10389417

; Publication No. US20040049014A1

; GENERAL INFORMATION:

; APPLICANT: Queen, Cary L.

; Co, Man Sung

; Schneider, William P.

; Landolfi, Nicholas F.

; Coelingh, Kathleen L.

; Selick, Harold E.

; TITLE OF INVENTION: Improved Humanized Immunoglobulins

; NUMBER OF SEQUENCES: 100

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend and Crew LLP

; STREET: Two Embarcadero Center, Eighth Floor

; CITY: San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94111-3834

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/389,417

; FILING DATE: 13-Mar-2003

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/09/325,000

; FILING DATE: 01-JUN-1999

; APPLICATION NUMBER: US 07/290,975

; FILING DATE: 28-DEC-1988

; APPLICATION NUMBER: US 07/310,252

; FILING DATE: 13-FEB-1989

; APPLICATION NUMBER: US 07/590,274

; FILING DATE: 28-SEP-1990

; APPLICATION NUMBER: US 07/634,278

; FILING DATE: 19-DEC-1990

; APPLICATION NUMBER: US 08/484,537

; FILING DATE: 07-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Smith, William M.

; REGISTRATION NUMBER: 30,223

; REFERENCE/DOCKET NUMBER: 011823-002650US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 576-0200

; TELEFAX: (415) 576-0300

; INFORMATION FOR SEQ ID NO: 60:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 135 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; SEQUENCE DESCRIPTION: SEQ ID NO: 60:

US-10-389-417-60

Query Match 82.5%; Score 625; DB 4; Length 135;
 Best Local Similarity 84.9%; Pred. No. 4.8e-47;
 Matches 118; Conservative 7; Mismatches 10; Indels 4; Gaps 1;

Qy 1 MGWSWIFLFLLSGTAGVHSEVQLQOSGPVLVKGASVKISKASGYTFTDYNHVVVKQSH 60
 |||||||:|||||
 Db 1 MGWSWIFLFLLSGTAGVHSEVQLQOSGPVLVKGASVKISKASGYTFTDYNHVVVKQSH 60

Qy 61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
 || |||||: || ||||| |||||:|||||
 Db 61 GKSLEWIGYIYPYNGGTGYNQFKSKATLITVDNSSSTAYMDVRSLSLSEDSAVYYCAR--- 117

Qy 121 GSGYYFDYWGQGTTLTVSS 139
 |||||:||||
 Db 118 -GRPAMDYWGQGTSTVTVSS 135

RESULT 4

US-10-452-357-69

; Sequence 69, Application US/10452357
 ; Publication No. US20040058414A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Queen, Cary
 ; APPLICANT: Co, Man Sung
 ; APPLICANT: Schneider, William
 ; APPLICANT: Landolfi, Nicholas
 ; APPLICANT: Coelingh, Kathleen
 ; APPLICANT: Selick, Harold
 ; TITLE OF INVENTION: Improved Humanized Immunoglobulins
 ; FILE REFERENCE: 05882.0078.CNUS01
 ; CURRENT APPLICATION NUMBER: US/10/452,357
 ; CURRENT FILING DATE: 2003-05-30
 ; PRIOR APPLICATION NUMBER: 09/718,993
 ; PRIOR FILING DATE: 2000-11-22
 ; PRIOR APPLICATION NUMBER: 09/487,200
 ; PRIOR FILING DATE: 1995-06-07
 ; PRIOR APPLICATION NUMBER: 07/634,278
 ; PRIOR FILING DATE: 1990-12-19
 ; PRIOR APPLICATION NUMBER: 07/590,275
 ; PRIOR FILING DATE: 1990-09-28
 ; PRIOR APPLICATION NUMBER: 07/310,252
 ; PRIOR FILING DATE: 1989-02-13
 ; PRIOR APPLICATION NUMBER: 07/290,975
 ; PRIOR FILING DATE: 1988-12-28
 ; NUMBER OF SEQ ID NOS: 113
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 69
 ; LENGTH: 135
 ; TYPE: PRT
 ; ORGANISM: Artificial
 ; FEATURE:
 ; OTHER INFORMATION: Heavy chain M195 antibody

US-10-452-357-69

Query Match 82.5%; Score 625; DB 4; Length 135;
 Best Local Similarity 84.9%; Pred. No. 4.8e-47;
 Matches 118; Conservative 7; Mismatches 10; Indels 4; Gaps 1;

```
Qy      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNHVVVKQSH 60
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNMHVVVKQSH 60

Qy     61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
         || |||||||||||| : || ||||| |||||:||||:|||||
Db     61 GKSLEWIGYIYPYNGGTGYNQFKSKATLIVDNSSSTAYMDVRSLTSEDSAVYYCAR--- 117

Qy     121 GSGYFYDWGQGTTLTVSS 139
         |||||:||||
Db     118 -GRPAMDYWGQGSTVTVSS 135
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RESULT 5

US-10-462-062-153

; Sequence 153, Application US/10462062

; Publication No. US20040044187A1

; GENERAL INFORMATION:

; APPLICANT: SATO, KOH

; APPLICANT: ADACHI, HIDEKI

; TITLE OF INVENTION: HUMANIZED ANTIBODIES AGAINST HUMAN TISSUE FACTOR (TF)

; TITLE OF INVENTION: AND PROCESS OF PRODUCTION OF THE HUMANIZED ANTIBODIES

; FILE REFERENCE: 053466-0360

; CURRENT APPLICATION NUMBER: US/10/462,062

; CURRENT FILING DATE: 2003-06-16

; PRIOR APPLICATION NUMBER: PCT/JP99/01768

; PRIOR FILING DATE: 1999-04-02

; PRIOR APPLICATION NUMBER: JP 10-91850

; PRIOR FILING DATE: 1998-04-03

; NUMBER OF SEQ ID NOS: 183

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 153

; LENGTH: 137

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Full-length amino acid

; OTHER INFORMATION: sequence for H chain V region of anti-TF mouse monoclonal

; OTHER INFORMATION: antibody ATR-2

US-10-462-062-153

Query Match 81.3%; Score 616; DB 4; Length 137;
 Best Local Similarity 82.7%; Pred. No. 3e-46;
 Matches 115; Conservative 8; Mismatches 14; Indels 2; Gaps 1;

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Qy      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNHVVVKQSH 60
         | |||||||||||||||:|||||||||||||:|||||:|||||
Db      1 MEWSWIFLLSGTTGVHSEIQLQQSGPELVKPGASVKVSKASGSYFTDYNMYVVKQSH 60

Qy     61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
         || |||||||| ||| : ||| || |||| |||:|:| ||| |||
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```

; GENERAL INFORMATION:
; APPLICANT: HIATT, ANDREW C.
; APPLICANT: HEIN, MICH B.
; TITLE OF INVENTION: METHODS FOR PRODUCING IMMUNOGLOBULINS CONTAINING
; TITLE OF INVENTION: PROTECTION PROTEINS IN PLANTS AND THEIR USE
; FILE REFERENCE: EPI3002E
; CURRENT APPLICATION NUMBER: US/09/982,107
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Guy's 13 Gamma 1
US-09-982-107-14

```

```

Query Match          80.9%; Score 613.5; DB 3; Length 132;
Best Local Similarity 83.5%; Pred. No. 4.8e-46;
Matches 116; Conservative 6; Mismatches 10; Indels 7; Gaps 1;

```

```

Qy      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFDYNIHVVKQSH 60
      | | :|:||||||| | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1 MEWTWVFLFLLSGTAGVHSGVQLQQSGPDLVKPGASVKISCKASGYTFDYNIHVVKQSR 60

Qy      61 GKILEWIGYIYPYNGVSDYNNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
      || || || || || || || : || || || || || || || || || || || || || ||
Db      61 GKSLEWIGYIYPYNGNTYYNQKFNKATLTVDNSSSTAYMELRSLTSEDSAVYYCAT--- 117

Qy      121 GSGYFYFDYWGQGTTLTVSS 139
      || || || || || || || |
Db      118 ----YFDYWGQGTTLTVSS 132

```

RESULT 8

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US-10-781-989-14
; Sequence 14, Application US/10781989
; Publication No. US20050202026A1
; GENERAL INFORMATION:
; APPLICANT: HIATT, Andrew C.
; APPLICANT: MA, Julian K.-C.
; APPLICANT: LEHNER, Thomas
; TITLE OF INVENTION: METHODS FOR PRODUCING IMMUNOGLOBULINS
; TITLE OF INVENTION: CONTAINING PROTECTION PROTEINS IN PLANTS AND THEIR USE
; FILE REFERENCE: 415142000303
; CURRENT APPLICATION NUMBER: US/10/781,989
; CURRENT FILING DATE: 2004-02-18
; PRIOR APPLICATION NUMBER: 08/434,000
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: 08/367,395
; PRIOR FILING DATE: 1994-12-30
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 132

```

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; TYPE: PRT
; ORGANISM: Mouse
US-10-781-989-14
```

```
Query Match      80.9%; Score 613.5; DB 5; Length 132;
Best Local Similarity 83.5%; Pred. No. 4.8e-46;
Matches 116; Conservative 6; Mismatches 10; Indels 7; Gaps 1;
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```
Qy      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVWKQSH 60
      | :|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      1 MEWTWVFLFLLSGTAGVHSGVQLQQSGPDLVKPGASVKISCKASGYTFTDYNIHVWKQSR 60

Qy      61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVVYCARWDF 120
      ||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      61 GKSLEWIGYIYPYNGNTYYNQFKFNKATLIVDNSSNTAYMELRSLTSEDSAVVYCAT--- 117

Qy      121 GSGYYFDYWGQGTTLTVSS 139
      |||||:|||||
Db      118 ----YFDYWGQGTTLTVSS 132
```

RESULT 9

US-09-903-327A-6

```
; Sequence 6, Application US/09903327A
; Patent No. US2002016433A1
; GENERAL INFORMATION:
; APPLICANT: Nemerow, Glen R.
; APPLICANT: Li, Erguang
; TITLE OF INVENTION: BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGETED
; TITLE OF INVENTION: GENE
; TITLE OF INVENTION: DELIVERY
; FILE REFERENCE: 22908-1228
; CURRENT APPLICATION NUMBER: US/09/903,327A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 09/613,017
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Mouse
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (0)...(0)
; OTHER INFORMATION: Portion of DAV-1 heavy chain used for fusion protein
; OTHER INFORMATION: bifunctional antibody
US-09-903-327A-6
```

```
Query Match      79.2%; Score 600.5; DB 3; Length 438;
Best Local Similarity 82.0%; Pred. No. 2.5e-44;
Matches 114; Conservative 6; Mismatches 12; Indels 7; Gaps 1;
```

```
Qy      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVWKQSH 60
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNMHVWKQSH 60
```

```

Qy      61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
      || ||||| ||||| | : ||| ||||| | : ||||| ||||| : |||||
Db      61 GKSLEWIGYIYPYKGGTGYNQKFKSKATLTDDSSNTAYMELRSLTSDASAVYYCARG-- 118

Qy      121 GSGYYFDYWGQGTTLTVSS 139
      ||||| :|||:
Db      119 -----IAYWGQGTTLTVSA 132

```

RESULT 10

```

US-09-903-327A-2
; Sequence 2, Application US/09903327A
; Patent No. US20020164333A1
; GENERAL INFORMATION:
; APPLICANT: Nemerow, Glen R.
; APPLICANT: Li, Erguang
; TITLE OF INVENTION: BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGETED
; TITLE OF INVENTION: GENE
; TITLE OF INVENTION: DELIVERY
; FILE REFERENCE: 22908-1228
; CURRENT APPLICATION NUMBER: US/09/903,327A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 09/613,017
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 456
; TYPE: PRT
; ORGANISM: Mouse
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (0)...(0)
; OTHER INFORMATION: DAV-1 heavy chain, penton base monoclonal antibody
US-09-903-327A-2

```

```

Query Match          79.2%; Score 600.5; DB 3; Length 456;
Best Local Similarity 82.0%; Pred. No. 2.6e-44;
Matches 114; Conservative 6; Mismatches 12; Indels 7; Gaps 1;

```

```

Qy      1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISKASGYTFTDYNHVVVKQSH 60
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISKASGYTFTDYNMHVVVKQSH 60

Qy      61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
      || ||||| ||||| | : ||| ||||| | : ||||| ||||| : |||||
Db      61 GKSLEWIGYIYPYKGGTGYNQKFKSKATLTDDSSNTAYMELRSLTSDASAVYYCARG-- 118

Qy      121 GSGYYFDYWGQGTTLTVSS 139
      ||||| :|||:
Db      119 -----IAYWGQGTTLTVSA 132

```

RESULT 11

US-09-903-327A-13

http://es.ScoreAccessWeb/GetItem.action?AppId=10687...04759_us-10-687-035-34.rapbm&ItemType=4&startByte=0 (12 of 15)3/28/2008 11:29:29 AM

```
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 510
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein with N-terminal portion of DAV-1 heavy chain
; OTHER INFORMATION: and IGF-1 mature peptide
US-09-903-327A-12
```

```
Query Match          79.2%; Score 600.5; DB 3; Length 510;
Best Local Similarity 82.0%; Pred. No. 2.9e-44;
Matches 114; Conservative 6; Mismatches 12; Indels 7; Gaps 1;
```

```
Qy      1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISKASGYTFTDYNIHVVKQSH 60
        |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 MGWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKISKASGYTFTDYNMHVVKQSH 60

Qy      61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSDASVYYCARWDF 120
        || ||||||||| : ||| ||||| : ||||||||||||| : |||||
Db      61 GKSLIEWIGYIYPYKGGTGYNQKFKSKATLTDDSSNTAYMELRSLTSDASVYYCARG-- 118

Qy      121 GSGYYFDYWGQGTTTLTVSS 139
        ||||| :|||:
Db      119 -----IAYWGQGLTVTVSA 132
```

RESULT 13

US-09-903-327A-11

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; Sequence 11, Application US/09903327A
; Patent No. US20020164333A1
; GENERAL INFORMATION:
; APPLICANT: Nemerow, Glen R.
; APPLICANT: Li, Erguang
; TITLE OF INVENTION: BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGETED
; TITLE OF INVENTION: GENE
; TITLE OF INVENTION: DELIVERY
; FILE REFERENCE: 22908-1228
; CURRENT APPLICATION NUMBER: US/09/903,327A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 09/613,017
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 597
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion protein with N-terminal portion of DAV-1 heavy chain
; OTHER INFORMATION: and TNF alpha mature peptide
US-09-903-327A-11
```

```
Query Match          79.2%; Score 600.5; DB 3; Length 597;
Best Local Similarity 82.0%; Pred. No. 3.4e-44;
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```

Matches 114; Conservative 6; Mismatches 12; Indels 7; Gaps 1;

Qy      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVVKQSH 60
      |||
Db      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNMHVVKQSH 60
      |||

Qy      61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
      |||
Db      61 GKSLEWIGYIYPYKGGTGYNQFKSKATLTDDSSNTAYMELRSLTSDASAVYYCARG-- 118
      |||

Qy      121 GSGYFYFDYWGQGTTLTVSS 139
      |||
Db      119 -----IAYWGQGTTLTVSA 132
      |||

```

RESULT 14

US-09-903-327A-14

; Sequence 14, Application US/09903327A

; Patent No. US20020164333A1

; GENERAL INFORMATION:

; APPLICANT: Nemerow, Glen R.

; APPLICANT: Li, Erguang

; TITLE OF INVENTION: BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGETED

; TITLE OF INVENTION: GENE

; TITLE OF INVENTION: DELIVERY

; FILE REFERENCE: 22908-1228

; CURRENT APPLICATION NUMBER: US/09/903,327A

; CURRENT FILING DATE: 2001-07-10

; PRIOR APPLICATION NUMBER: 09/613,017

; PRIOR FILING DATE: 2000-07-10

; NUMBER OF SEQ ID NOS: 33

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 14

; LENGTH: 613

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Fusion protein with N-terminal portion of DAV-1 heavy chain

; OTHER INFORMATION: and SCF mature peptide

US-09-903-327A-14

```

Query Match      79.2%; Score 600.5; DB 3; Length 613;
Best Local Similarity 82.0%; Pred. No. 3.5e-44;

Matches 114; Conservative 6; Mismatches 12; Indels 7; Gaps 1;

Qy      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNIHVVKQSH 60
      |||
Db      1 MGWSWIFLLSGTAGVHSEVQLQQSGPELVKPGASVKISCKASGYTFTDYNMHVVKQSH 60
      |||

Qy      61 GKILEWIGYIYPYNGVSDYNQNFKSKATLIVDNSSNTAYMELRSLTSEDSAVYYCARWDF 120
      |||
Db      61 GKSLEWIGYIYPYKGGTGYNQFKSKATLTDDSSNTAYMELRSLTSDASAVYYCARG-- 118
      |||

Qy      121 GSGYFYFDYWGQGTTLTVSS 139
      |||
Db      119 -----IAYWGQGTTLTVSA 132
      |||

```

